

# CONTENTS

<b>GYNECOLOGY</b> .....	1	<b>Endometrial Hyperplasia</b> .....	42
<b>Adnexal Masses</b> .....	1	Alberto Manetta, MD	
Margaret Graf Garrisi, MD		<b>Endometriosis and Adenomyosis</b> .....	44
<b>Androgen Excess of Adrenal Origins</b> ...	2	Eric S. Surrey, MD	
Ricardo Azziz, MD, MPH		<b>Endoscopic Surgery</b> .....	47
<b>Androgen Insensitivity Syndrome</b> .....	7	Michael P. Diamond, MD	
Robert L. Harris, MD		<b>Female Genital Tuberculosis</b> .....	50
W. Allen Addison, MD		George Schaefer, MD	
<b>Antiphospholipid Antibodies in</b>		<b>Female Sterilization</b> .....	54
<b>Reproductive Loss</b> .....	8	Gerald I. Zatuchni, MD, MSc	
Robert M. Silver, MD		<b>Galactorrhea and</b>	
<b>Barrier Contraception: The Reality</b>		<b>Hyperprolactinemia</b> .....	57
<b>Female Condom</b> .....	12	Howard A. Zacur, MD, PhD	
Elizabeth B. Connell, MD		Endrika L. Hinton, MD	
<b>Bartholin's Cyst and Abscess</b> .....	13	<b>Genital Prolapse</b> .....	61
William Benbow Thompson, Jr, MD		John O.L. DeLancey, MD	
<b>Chlamydial Infections</b> .....	16	<b>GIFT Procedure</b> .....	64
Lane Jay Mercer, MD		Pasquale Patrizio, MD	
<b>Colposcopy</b> .....	19	Omid Khorram, MD, PhD	
Kenneth L. Noller, MD		<b>Gonadal Dysgenesis</b> .....	66
Jeffrey O. Riley, MD		Paul McDonough, MD	
<b>Disorders of Pelvic Support</b> .....	22	<b>Herpes Genitalis</b> .....	70
David H. Nichols, MD		David A. Baker, MD	
<b>Dysfunctional Uterine Bleeding</b> .....	27	<b>Hypopituitarism</b> .....	73
Peter G. McGovern, MD		Janice Andreyko, MD	
A. Brian Little, MD		<b>Hysteroscopic Evaluation and</b>	
<b>Dysmenorrhea</b> .....	31	<b>Therapy of Müllerian Anomalies</b> .....	77
M. Yusoff Dawood, MD		Eli Reshef, MD	
<b>Dyspareunia</b> .....	36	Joseph S. Sanfilippo, MD	
John F. Steege, MD		<b>Induction of Ovulation</b> .....	80
		Douglas C. Daly, MD	

<b>Infertility</b> .....	83	<b>Polycystic Ovary Syndrome</b> .....	134
Samuel J. Chantilis, MD		Paula Amato, MD	
Bruce R. Carr, MD		R. Jeffrey Chang, MD	
<b>Intrauterine Adhesions</b> .....	90	<b>Precocious Puberty</b> .....	138
Robert Israel, MD		Elizabeth Kennard, MD	
<b>Intrauterine Devices</b> .....	92	<b>Premenstrual Syndrome</b> .....	139
Phillip G. Stubblefield, MD		David A. Baram, MD	
<b>Leiomyomata Uteri</b> .....	97	<b>Primary Amenorrhea</b> .....	143
Andrew J. Friedman, MD		Daniel H. Riddick, MD, PhD	
<b>Luteal Phase Defect</b> .....	101	<b>Secondary Amenorrhea</b> .....	146
Georgeanna S. Jones, MD		Moon H. Kim, MD	
<b>Male Infertility: Intrauterine Insemination</b> .....	104	<b>Septic Shock</b> .....	150
Pasquale Patrizio, MD		Denis Cavanagh, MD	
<b>Male Sterilization</b> .....	107	Papineni S. Rao, PhD	
Mark J. Fallen, MD		<b>Sexual Abuse and Rape</b> .....	154
William M. Kaylor, Jr, MD		Diane Blake Brashear, PhD	
<b>Menopause</b> .....	108	<b>Sexual Dysfunction</b> .....	156
Mary Evans, MD <sup>1</sup>		Stephen F. Pariser, MD	
Daniel A. Dumesic, MD		Elizabeth Patnoe, RN, MA	
<b>Microsurgical and Percutaneous Epididymal Sperm Aspiration (MESA/PESA)</b> .....	113	Christopher M. de Groot, MD	
Pasquale Patrizio, MD		<b>Sexually Transmitted Diseases</b> .....	161
<b>Non-neoplastic Epithelial Disorders of the Vulva</b> .....	116	Sebastian Faro, MD, PhD	
Raymond H. Kaufman, MD		<b>Thyrotoxicosis</b> .....	169
<b>Oral Contraceptives</b> .....	119	Ernest L. Mazzaferri, MD, FACP	
Jayne A. Ackerman, MD		<b>Urinary Incontinence</b> .....	176
Mary Jane Gray, MD		W. Glenn Hurt, MD	
<b>Pediatric Gynecology</b> .....	122	<b>Urinary Tract Infections</b> .....	180
Geri D. Hewitt, MD		Sebastian Faro, MD, PhD	
<b>Pelvic Inflammatory Disease</b> .....	125	<b>Vaginosis (Bacterial)</b> .....	183
Stephanie Marie Culver, MD, MS		David A. Eschenbach, MD	
Mark G. Martens, MD		<b>Vesicovaginal Fistulas</b> .....	187
<b>Pelvic Pain (Chronic)</b> .....	131	Walter B. Hull, MD	
Geri D. Hewitt, MD		<b>Vulvodinia</b> .....	193
		Stanley C. Marinoff, MD, MPH	
		<b>Vulvar Vestibulitis</b> .....	196
		Raymond H. Kaufman, MD	

<b>GYNECOLOGIC MALIGNANCIES</b> . . . . .	201	<b>Breech Delivery</b> . . . . .	248
<b>Cancer Screening</b> . . . . .	201	Tamerou Asrat, MD	
Robert E. Rogers, MD		Edward J. Quilligan, MD	
<b>Cervical Carcinoma</b> . . . . .	204	<b>Chorioamnionitis</b> . . . . .	249
Matthew F. Kohler, MD		John W. Riggs, MD	
Philip J. DiSaia, MD		Jorge D. Blanco, MD	
<b>Endometrial Carcinoma</b> . . . . .	207	<b>Chorionic Villus Sampling for Prenatal Diagnosis</b> . . . . .	253
Andrew Berchuck, MD		Marie H. Beall, MD	
Frank D. Cirisano, MD		<b>Chronic Hypertension in Pregnancy</b> . . . . .	256
<b>Gestational Trophoblastic Disease</b> . . . . .	210	Baha M. Sibai, MD	
Donald Peter Goldstein, MD		<b>Control of Postpartum Pain</b> . . . . .	261
Ross Stuart Berkowitz, MD		Kathryn Zuspan, MD	
<b>Hydatidiform Mole</b> . . . . .	213	<b>Diabetes Mellitus in Pregnancy</b> . . . . .	263
Donald Peter Goldstein, MD		Steven G. Gabbe, MD	
Ross Stuart Berkowitz, MD		Mark B. Landon, MD	
<b>Ovarian Cancer</b> . . . . .	217	<b>Drug Abuse in Pregnancy</b> . . . . .	269
Robert R. Taylor, MD		Cynthia Shellhaas, MD	
Michael J. Birrer, MD, PhD		<b>Dysfunctional Labor</b> . . . . .	271
<b>Vulvar Neoplasms</b> . . . . .	221	William D. Fraser, MD, MSC, FRCSC	
Jonathan A. Cosin, MD		Michel Boulvain, MD, PhD	
Linda F. Carson, MD		<b>Ectopic Pregnancy</b> . . . . .	273
<b>OBSTETRICS</b> . . . . .	226	Gary H. Lipscomb, MD	
<b>Amniocentesis for Antenatal Diagnosis of Genetic Disorders</b> . . . . .	226	Frank W. Ling, MD	
Mark I. Evans, MD		<b>Fetal Fibronectin: Its Role in Obstetrics</b> . . . . .	277
Mark P. Johnson, MD		Thomas J. Garite, MD	
Arie Drugan, MD		<b>Gastrointestinal Disorders of Pregnancy</b> . . . . .	280
<b>Amniotic Fluid Embolism</b> . . . . .	232	Daniel Hollander, MD	
Steven L. Clark, MD		<b>Genital Tract Trauma</b> . . . . .	283
<b>Anesthesia for Obstetrics</b> . . . . .	236	Edward Newton, MD	
Kathryn Zuspan, MD		<b>Group B Streptococcus in Pregnancy</b> . . . . .	286
<b>Asthma Management During Pregnancy</b> . . . . .	242	George D. Wendel, Jr, MD	
Jordan H. Perlow, MD		F. Gary Cunningham, MD	
		<b>HELLP Syndrome</b> . . . . .	288
		James N. Martin, Jr, MD	
		Everett F. Magann, MD	

<b>Human Immunodeficiency Virus in Pregnancy</b> . . . . .	293	<b>Renal Disease in Pregnancy (Chronic)</b> . . . . .	337
Patrick Duff, MD		Jane E. C. Milne	
		John M. Davison	
<b>Hyperemesis Gravidarum</b> . . . . .	296	<b>Rheumatic Heart Disease: Safe Conduct in Pregnancy</b> . . . . .	342
Janet D. Larson, MD		Thomas F. Kelly, MD	
William F. Rayburn, MD		Robert Resnik, MD	
<b>Hypertensive Diseases of Pregnancy: Role of Calcium and Low-Dose Aspirin</b> . . . . .	299	<b>Seizure Disorders in Pregnancy</b> . . . . .	346
Andrea G. Witlin, DO		James O. Donaldson, MD	
Baha M. Sibai, MD		<b>Recurrent Spontaneous Abortion</b> . . . . .	349
<b>Hypothyroidism</b> . . . . .	303	Carolyn B. Coulam, MD	
Jorge H. Mestman, MD		<b>Systemic Lupus Erythematosus in Pregnancy</b> . . . . .	355
<b>Idiopathic Thrombocytopenic Purpura</b> . . . . .	305	Rebecca Shiffman, MD	
Robert F. Burrow, MD		John B. Josimovich, MD	
<b>Intrauterine Growth Retardation</b> . . . . .	307	<b>Therapeutic Abortion</b> . . . . .	358
Nancy A. Callan, MD		William Benbow Thompson, Jr, MD	
<b>Laboratory Diagnosis of Pregnancy</b> . . . . .	311	<b>Third-Trimester Bleeding</b> . . . . .	360
Donald E. Pittaway, MD, PhD		Fernando Arias, MD, PhD	
<b>Pancreatitis in Pregnancy</b> . . . . .	313	<b>Twin Pregnancy</b> . . . . .	364
W. Scott Melvin, MD		Adam F. Borgida, MD	
E. Christopher Ellison, MD		John F. Rodis, MD	
<b>Postpartum Hemorrhage</b> . . . . .	317	<b>Venous Thromboembolic Disease in Pregnancy</b> . . . . .	368
John C. Hauth, MD		Daniel L. Clarke-Pearson, MD	
<b>Post-Term Pregnancy</b> . . . . .	321	<b>FETUS, PLACENTA, AND NEWBORN</b> . . . . .	372
Tamerou Asrat, MD			
Edward J. Quilligan, MD		<b>Antepartum Fetal Surveillance</b> . . . . .	372
<b>Pre-eclampsia</b> . . . . .	322	Lawrence D. Devoe, MD	
Frederick P. Zuspan, MD		<b>Biophysical Profile</b> . . . . .	376
<b>Premature Rupture of Membranes</b> . . . . .	326	Luanna Lettieri, MD	
Thomas Garite, MD		Anthony M. Vintzileos, MD	
<b>Preterm Birth</b> . . . . .	329	David J. Nochimson, MD	
Jay D. Iams, MD		<b>Congenital Anomalies of the Neonate</b> . . . . .	380
<b>Prostaglandin E<sub>2</sub> for Cervical Ripening</b> . . . . .	334	Nancy Hansen, MD	
William F. Rayburn, MD		Daniel L. Coury, MD	

<b>Doppler Velocimetry in Fetal Surveillance</b> .....	388
Dev Maulik, MD, PhD	
<b>Fetal Death Syndrome</b> .....	393
Perry A. Henderson, MD	
<b>Fetal Distress in the Intrapartum Period</b> .....	398
David Jackson, MD	
<b>Fetal Movement Charting</b> .....	401
William F. Rayburn, MD	
<b>Fetal Scalp Stimulation</b> .....	404
Frank C. Miller, MD	
<b>Fetal Surgical Management of Congenital Hydronephrosis</b> .....	405
Michael R. Foley, MD	
<b>Glucose Metabolism, Hypocalcemia, and Hypomagnesemia in the Newborn</b> .....	410
Leandro Cordero, MD	
<b>Hydrocephalus: Diagnosis and Treatment</b> .....	413
James A. O'Leary, MD	
James L. O'Leary II, JD	
<b>Lung Maturity Testing</b> .....	418
Roger Lenke, MD	
Edward Ashwood, MD	
<b>Multifetal Pregnancy Reduction</b> .....	420
Lauren Lynch, MD	
<b>Nonimmune Hydrops</b> .....	423
Vern L. Katz, MD	
<b>Percutaneous Umbilical Blood Sampling</b> .....	427
Lisa J. Farkouh, MD	
John C. Hobbins, MD	
<b>Rh and Other Blood Group Immunizations</b> .....	429
John T. Queenan, MD	

<b>Seizures in the Neonatal Period</b> .....	432
Leandro Cordero, MD	
Randy Miller, MD	

## **PRIMARY CARE** .....

<b>Acne Vulgaris</b> .....	437
Marina Ball, MD	
Gerald D. Weinstein, MD	
<b>AIDS and HIV Infection</b> .....	440
David A. Winingar, MD	
<b>Annual Examination</b> .....	444
Vicki C. Darrow, MD	
<b>Atelectasis in the Postoperative Period</b> .....	451
Russell P. Woda, DO	
Thomas E. Reilley, DO	
<b>Battered Woman</b> .....	453
Julianne S. Toohy, MD	
<b>Breast Cancer: Principles of Therapy</b> .....	456
Dirk Kiebeck, MD	
Fritz K. Beller, MD	
<b>Breast Mass and Nipple Discharge</b> ....	462
Douglas J. Marchant, MD	
<b>Bulimia Nervosa</b> .....	465
Michael P. Levine, PhD	
<b>Headache</b> .....	469
George Paulson, MD	
<b>Hemorrhoids and Anal Fissure</b> .....	473
William E. Wise, Jr, MD	
E. Christopher Ellison, MD	
<b>Hypertension in the Nonpregnant Patient</b> .....	477
Donald G. Vidt, MD	
<b>Ileus</b> .....	489
Patricia S. Choban, MD	
Louis Flanbaum, MD	

<b>Human Immunodeficiency Virus in Pregnancy</b> . . . . .	293	<b>Renal Disease in Pregnancy (Chronic)</b> . . . . .	337
Patrick Duff, MD		Jane E. C. Milne	
		John M. Davison	
<b>Hyperemesis Gravidarum</b> . . . . .	296	<b>Rheumatic Heart Disease: Safe Conduct in Pregnancy</b> . . . . .	342
Janet D. Larson, MD		Thomas F. Kelly, MD	
William F. Rayburn, MD		Robert Resnik, MD	
<b>Hypertensive Diseases of Pregnancy: Role of Calcium and Low-Dose Aspirin</b> . . . . .	299	<b>Seizure Disorders in Pregnancy</b> . . . . .	346
Andrea G. Witlin, DO		James O. Donaldson, MD	
Baha M. Sibai, MD		<b>Recurrent Spontaneous Abortion</b> . . . . .	349
<b>Hypothyroidism</b> . . . . .	303	Carolyn B. Coulam, MD	
Jorge H. Mestman, MD		<b>Systemic Lupus Erythematosus in Pregnancy</b> . . . . .	355
<b>Idiopathic Thrombocytopenic Purpura</b> . . . . .	305	Rebecca Shiffman, MD	
Robert F. Burrow, MD		John B. Josimovich, MD	
<b>Intrauterine Growth Retardation</b> . . . . .	307	<b>Therapeutic Abortion</b> . . . . .	358
Nancy A. Callan, MD		William Benbow Thompson, Jr, MD	
<b>Laboratory Diagnosis of Pregnancy</b> . . . . .	311	<b>Third-Trimester Bleeding</b> . . . . .	360
Donald E. Pittaway, MD, PhD		Fernando Arias, MD, PhD	
<b>Pancreatitis in Pregnancy</b> . . . . .	313	<b>Twin Pregnancy</b> . . . . .	364
W. Scott Melvin, MD		Adam F. Borgida, MD	
E. Christopher Ellison, MD		John F. Rodis, MD	
<b>Postpartum Hemorrhage</b> . . . . .	317	<b>Venous Thromboembolic Disease in Pregnancy</b> . . . . .	368
John C. Hauth, MD		Daniel L. Clarke-Pearson, MD	
<b>Post-Term Pregnancy</b> . . . . .	321	<b>FETUS, PLACENTA, AND NEWBORN</b> . . . . .	372
Tamerou Asrat, MD			
Edward J. Quilligan, MD		<b>Antepartum Fetal Surveillance</b> . . . . .	372
<b>Pre-eclampsia</b> . . . . .	322	Lawrence D. Devoe, MD	
Frederick P. Zuspan, MD		<b>Biophysical Profile</b> . . . . .	376
<b>Premature Rupture of Membranes</b> . . . . .	326	Luanna Lettieri, MD	
Thomas Garite, MD		Anthony M. Vintzileos, MD	
<b>Preterm Birth</b> . . . . .	329	David J. Nochimson, MD	
Jay D. Iams, MD		<b>Congenital Anomalies of the Neonate</b> . . . . .	380
<b>Prostaglandin E<sub>2</sub> for Cervical Ripening</b> . . . . .	334	Nancy Hansen, MD	
William F. Rayburn, MD		Daniel L. Coury, MD	

**Iron Deficiency** . . . . . 491

David Z. Kitay, MD

**Mastalgia and Fibrocystic Changes  
of the Breast** . . . . . 494

William H. Hindle, MD

**Multiple Sclerosis** . . . . . 495

Stanley van den Noort, MD

**Myasthenia Gravis** . . . . . 496

Stanley van den Noort, MD

**Nutritional Support** . . . . . 497

James W. Orr, Jr, MD, FACOG, FACS

Pamela Jo Orr, RN, OCN

**Pneumonia: Viral and Bacterial** . . . . . 504

Thomas C. Cesario, MD

Douglas A. Cesario, MD

**Index** . . . . . 509